

fig 1

Jim Cutler
8/10/98

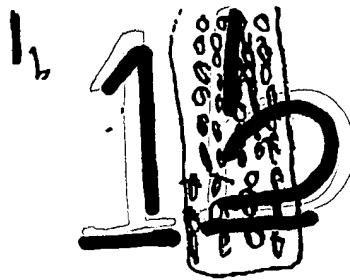
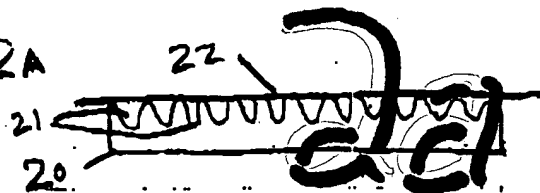


fig 2



fig 2A



30

fig 3



31

fig 3a

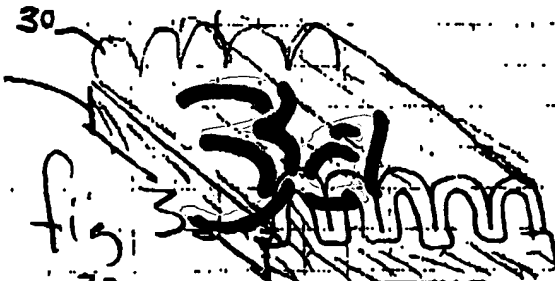


fig 3b

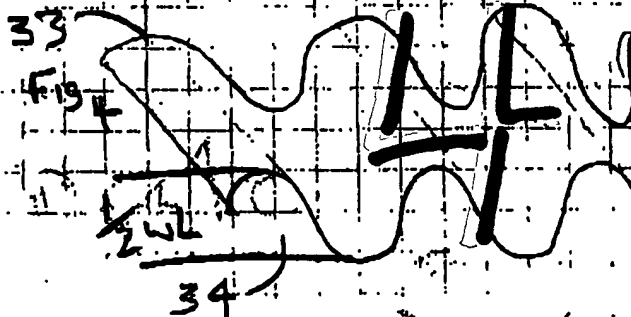
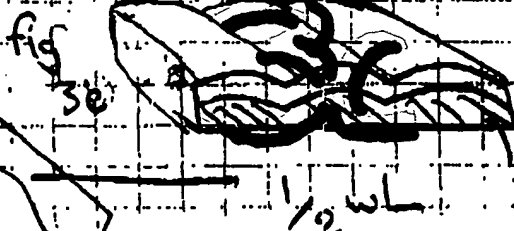
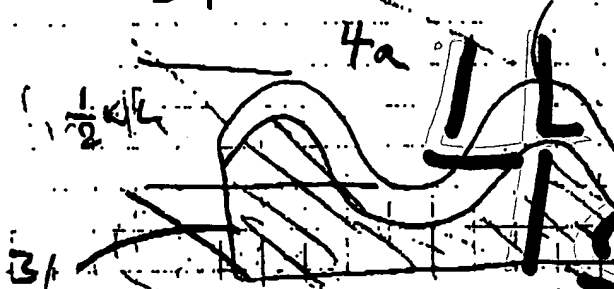


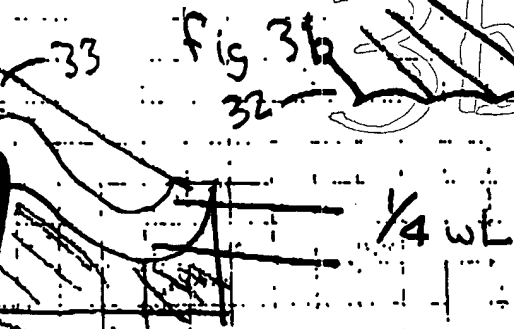
fig 3c



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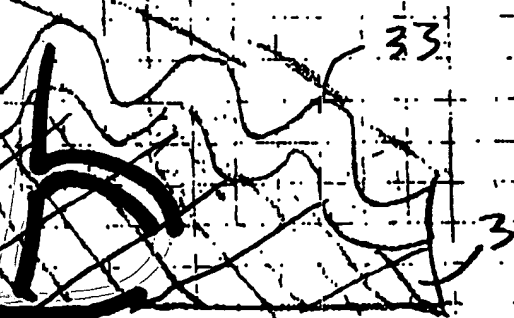
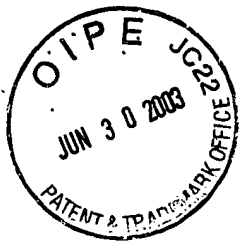


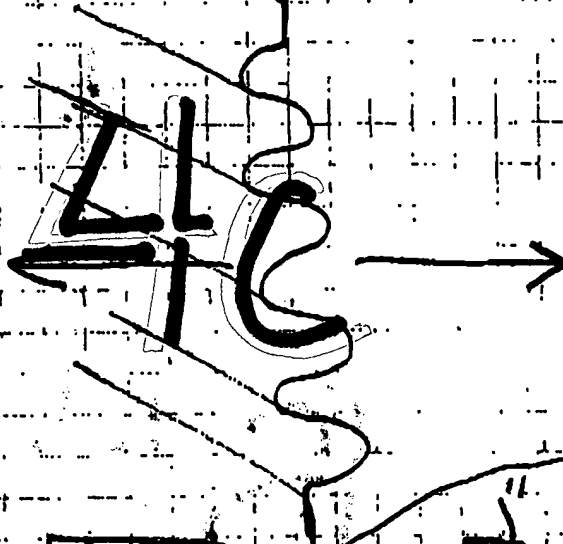
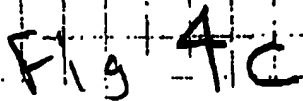
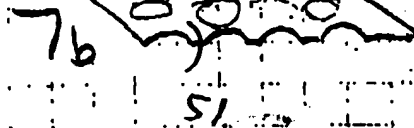
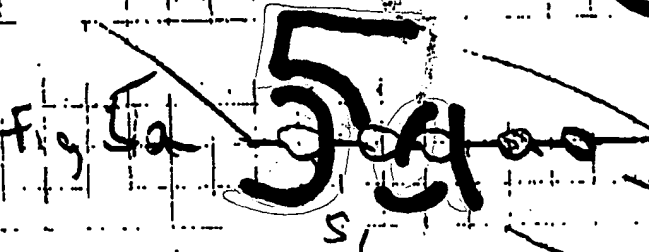
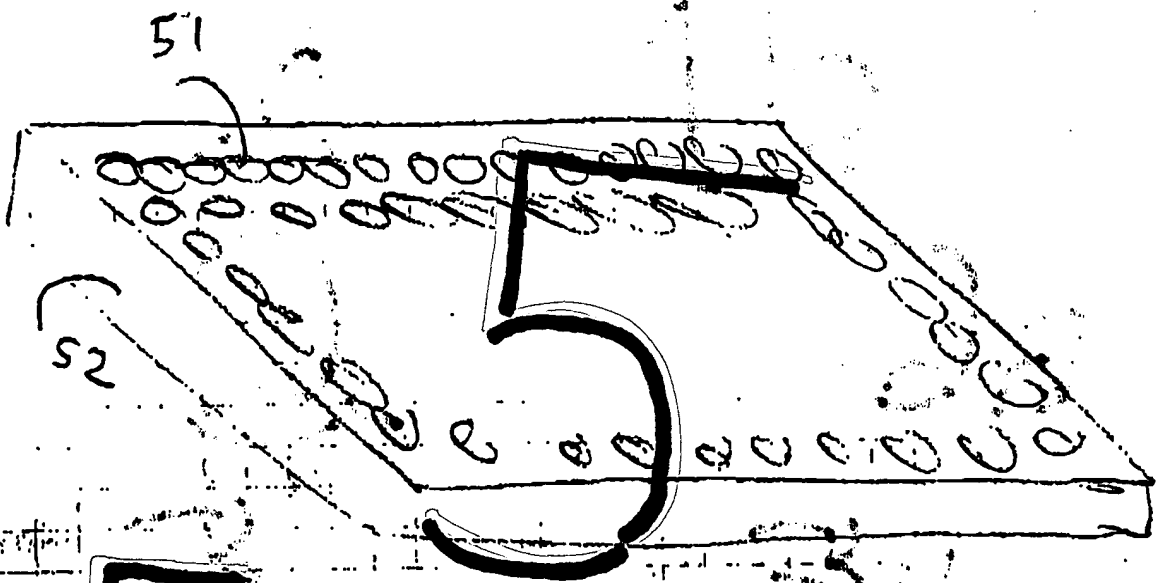
fig 4a

1/4 wt

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Jim C. [Signature]

8/10/98

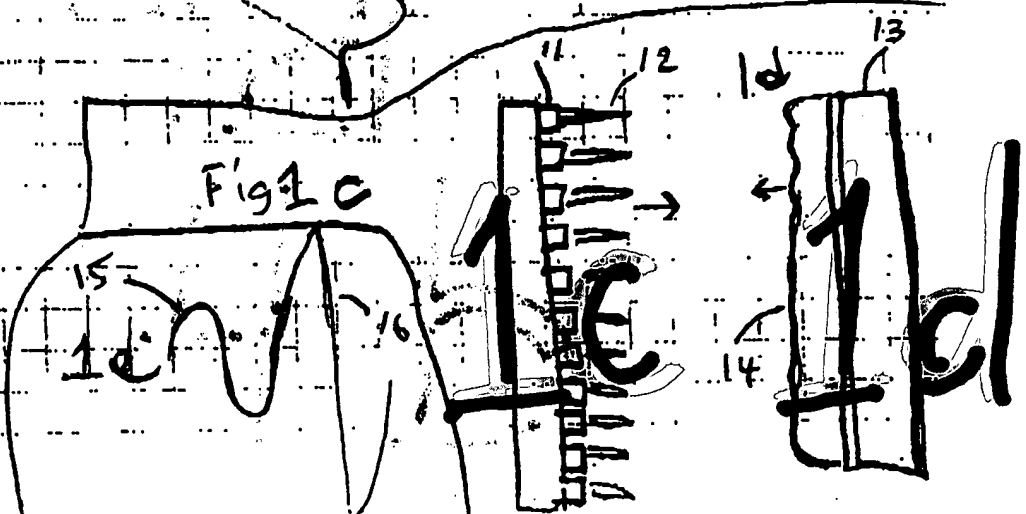
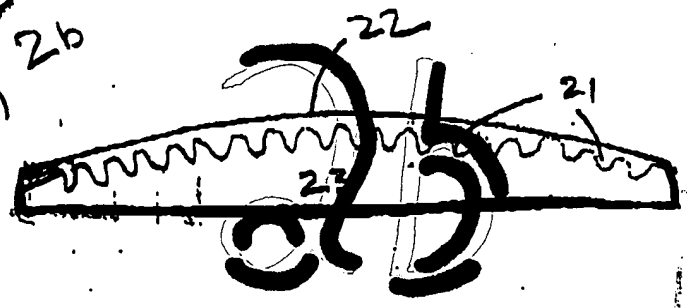
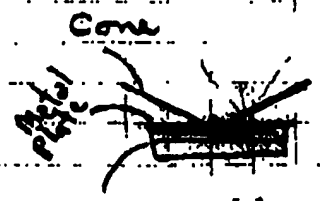


Fig 2b



curved Eel backplate



Piezo
 bi-morph or bender

Ceramic Piezo material

Non parametric damper

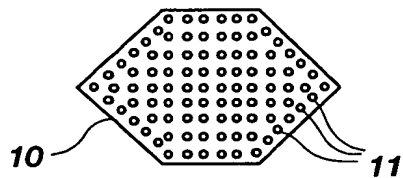


Fig. 1a

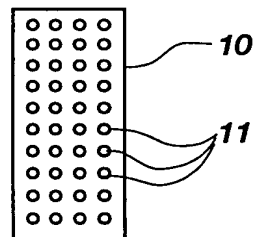


Fig. 1b

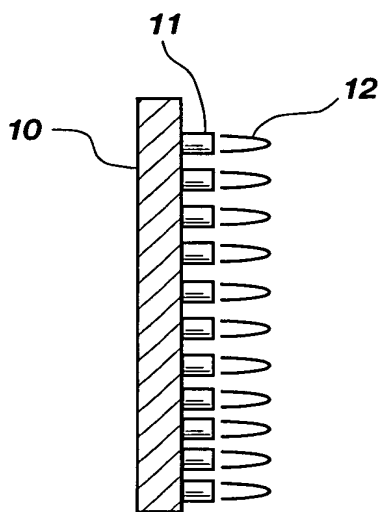


Fig. 1c

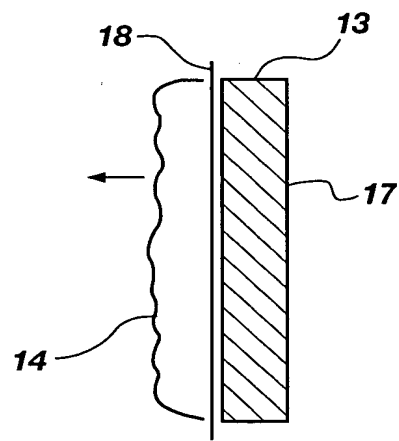


Fig. 1d

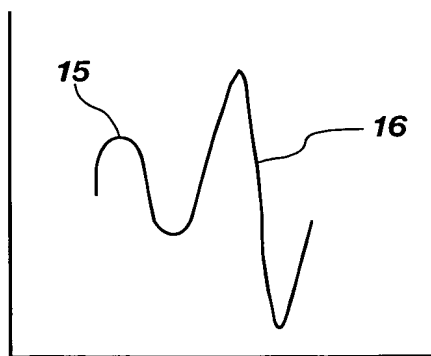


Fig. 1e

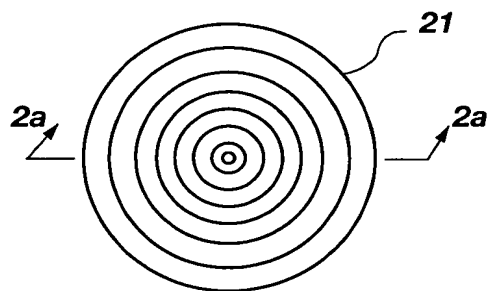


Fig. 2

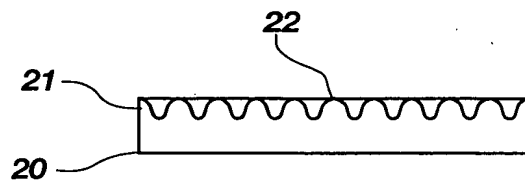


Fig. 2a

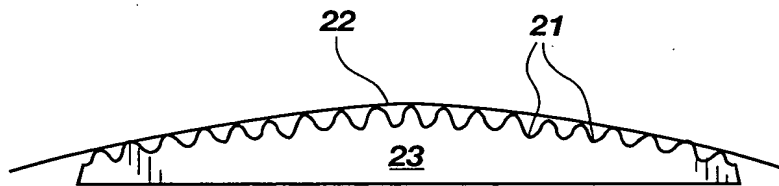


Fig. 2b

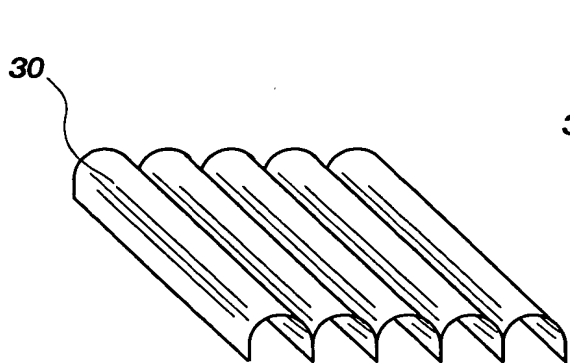


Fig. 3

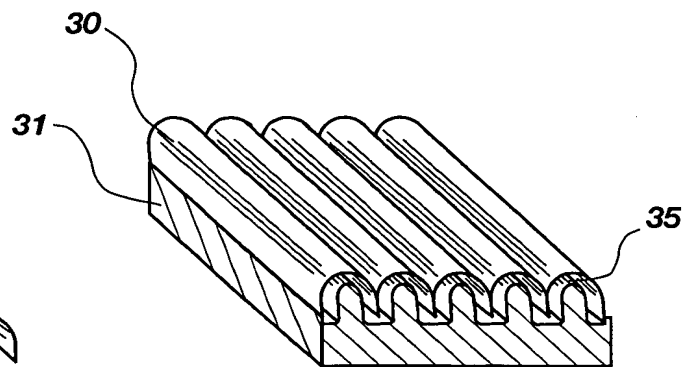


Fig. 3a

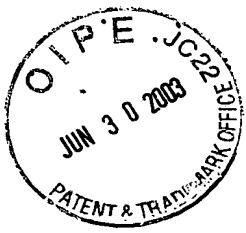


Fig. 3b

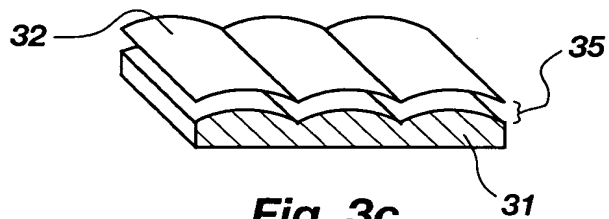


Fig. 3c

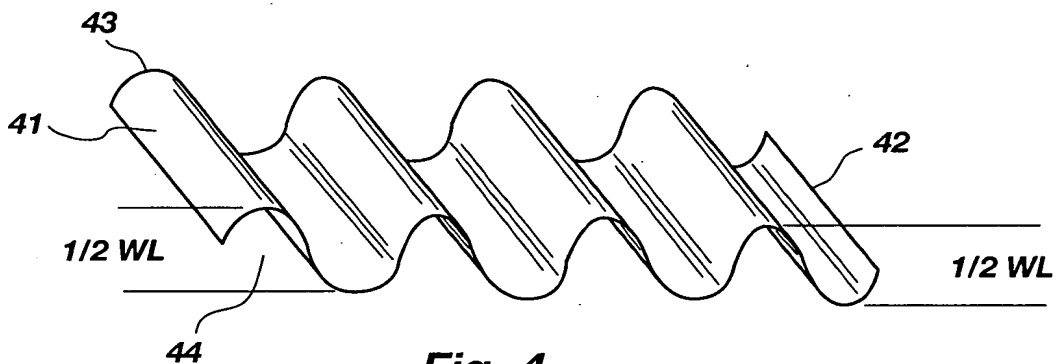


Fig. 4

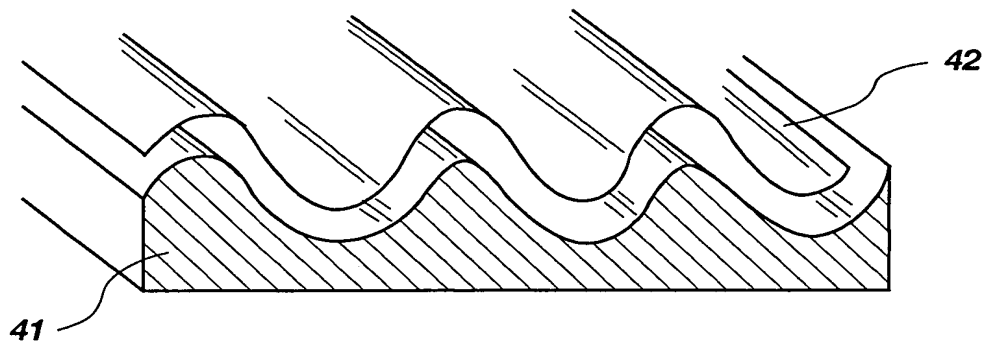


Fig. 4a

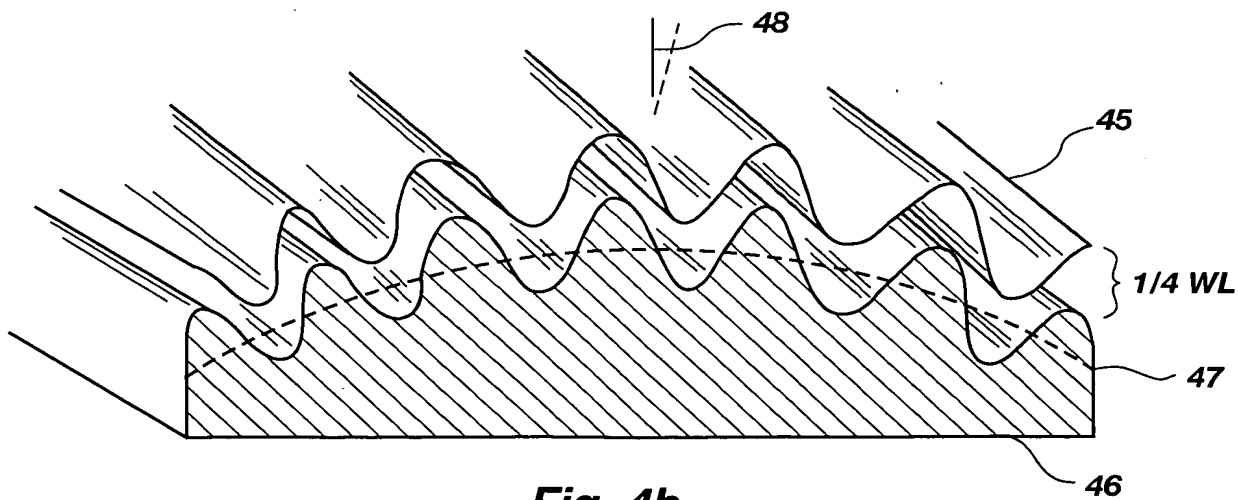


Fig. 4b

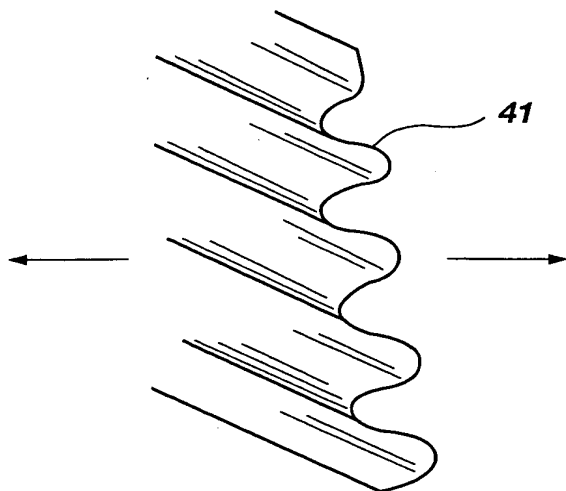


Fig. 4c

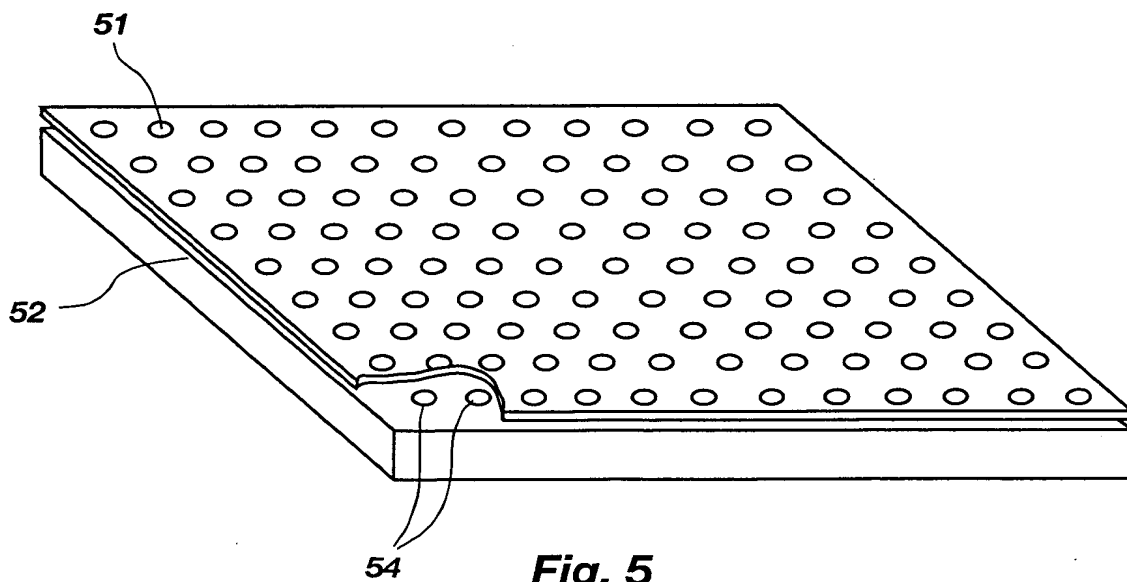


Fig. 5

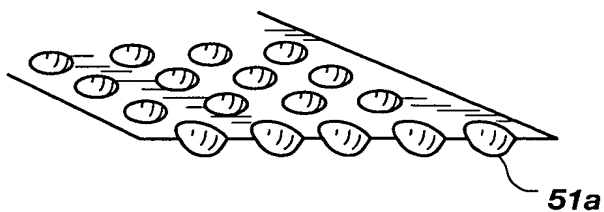


Fig. 5a



Fig. 5b